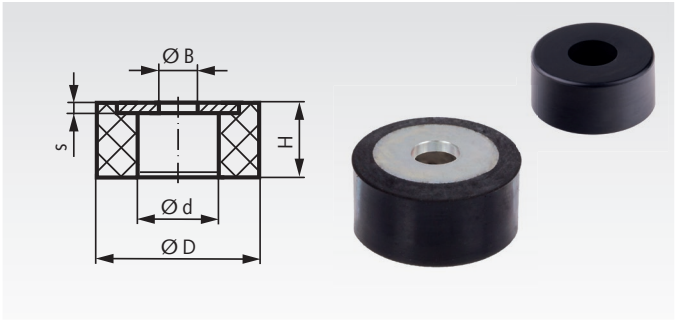
Rubber-Metal Buffers MGH, Hollow Design, with Mounting Bore

Material: Elastomer: Rubber NBR, black, hardness 55° Shore A.
Metal part: stainless steel 1.4301.

Hollow design. One side metal, with mounting bore for allen screw DIN 912. Due to the hollow design, these elements are particularly suitable as end stops. Also usable as elastic machine feet. The grade of rubber has perfect physical properties.

Temperature range: -40°C up to +100°C (for short time +120°C).

Other sizes, Shore hardnesses or elastomer types on request.



Ordering Details: e.g.: Product No. 689 211 50, Rubber-Metal Buffer MGH, 15 x 8 mm, Bore 4.3 mm

Product No. Stainless	D mm	H mm	B mm	d mm	s mm	Pressure Load Spring Load CD medium N/mm	Permiss. Load $F_{perm.}$ N	Travel ±20% at $F_{perm.}$ mm	Weight g
689 211 50	15	8	4,3	8	1,0	80	160	2	2
689 211 51	15	15	4,3	8	1,0	25	100	4	3
689 212 00	20	10	5,3	10	1,2	110	280	2,5	4,6
689 212 01	20	15	5,3	10	1,2	55	220	4	5
689 212 02	20	20	5,3	10	1,2	40	190	5	7
689 212 50	25	12	6,4	12,5	1,5	150	430	3	9
689 212 51	25	20	6,4	12,5	1,5	55	350	6	11
689 213 00	30	20	8,4	14	2,0	110	550	5	19
689 213 01	30	30	8,4	14	2,0	65	500	7,5	25
689 213 50	35	15	8,4	14	2,0	290	1140	4	23
689 214 00	40	20	8,4	16	2,0	240	1200	5	35
689 214 01	40	20	10,5	16	2,5	240	1200	5	37
689 214 02	40	30	8,4	16	2,0	130	1000	7,5	48
689 214 03	40	30	10,5	16	2,5	135	1000	7,5	50
689 214 04	40	40	8,4	16	2,0	95	1000	10	60
689 214 05	40	40	10,5	16	2,5	95	1000	10	62
689 214 50	45	20	8,4	18	2,0	320	1640	5	47
689 214 51	45	20	10,5	18	2,5	335	1640	5	49
689 215 00	50	25	8,4	20	2,0	260	1600	6	64
689 215 01	50	25	10,5	20	2,5	270	1600	6	68
689 215 02	50	25	13,0	20	3,0	270	1600	6	74
689 215 03	50	30	10,5	20	2,5	205	1600	7,5	78
689 215 04	50	30	13,0	20	3,0	205	1600	7,5	80
689 215 05	50	40	10,5	20	2,5	140	1400	10	97
689 215 06	50	40	13,0	20	3,0	140	1400	10	100
689 216 00	60	25	8,4	20	2,0	510	3100	6	104
689 216 01	60	25	10,5	20	2,5	540	3100	6	108
689 216 02	60	25	13,0	20	3,0	540	3100	6	110
689 217 50	75	30	10,5	22	2,5	670	5000	7,5	199
689 217 51	75	30	13,0	22	3,0	675	5000	7,5	204

Note for Spring Load and Mounting

For a linear resilience characteristic the Spring Load C means, for any operating point, the constant relation of load F [N] to jounce travel f [mm].

$$C = \frac{F}{f} \quad [N/mm]$$

In the technical data, these constants are stated as CD for pure pressure load and as CS for pure shear load.

* $F_{perm.}$ is the permissible static permanent load, which may be overlaid by a dynamic, alternating load. With shearing load please take care that no tension load in the rubber occurs at all during mounting. To achieve a sufficient fatigue strength provide some compressive prestressing.

The stated permissible loads are only approximate, guideline values for the static load for "medium" rubber hardness.
With particularly high, dynamic, alternating loads or high frequencies, the load figures have to be accordingly reduced.